

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: SHAO et al

Serial No. To Be Assigned

Filed: March 13, 2001

For: ISOLATED HUMAN TRANSPORTER PROTEINS,  
NUCLEIC ACID MOLECULES ENCODING HUMAN  
TRANSPORTER PROTEINS, AND USES THEREOF

Art Unit:

Examiner:

Atty. Docket: CL001163

SUBMISSION OF SEQUENCE LISTING  
UNDER 37 C.F.R. § 1.821(a)

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

In compliance with 37 C.F.R. § 1.821(a), applicants submit the Sequence Listing,  
including the paper copy of the Sequence Listing and the computer readable copy of the  
Sequence Listing.

**In the Specification:**

The Sequence Listing is provided on pages 59-85 of the specification in the  
above-identified application.

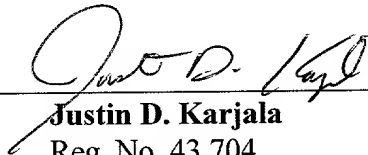
**REMARKS**

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above application are the same.

It is respectfully believed that this application complies with the Sequence Listing requirements and is now in condition for processing.

Respectfully submitted,

CELERA GENOMICS

By:   
**Justin D. Karjala**  
Reg. No. 43,704

Date: March 13, 2001

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45 West Gude Drive, C2-4#20  
Rockville, MD 20850  
Tel: 240-453-3067  
Fax: 240-453-3084

## SEQUENCE LISTING

&lt;110&gt; SHAO, Wei et al.

<120> ISOLATED HUMAN TRANSPORTER PROTEINS,  
 NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,  
 AND USES THEREOF

&lt;130&gt; CL001163

&lt;160&gt; 6

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 3625

&lt;212&gt; DNA

&lt;213&gt; Human

&lt;400&gt; 1

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&lt;211&gt; 765

&lt;212&gt; PRT

&lt;213&gt; Human

&lt;400&gt; 4

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Glu Arg His Arg Arg Ile Asn Ser Lys Lys Lys Glu Ser Ala Trp Glu
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Leu Thr Gly Leu Ala Ser Gly Ala Leu Ala Gly Leu Ile Asp Ile Ala

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82

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 Glu Glu Phe Thr His Thr Thr Leu Ala Ala Asp Val Met Arg Pro Arg  
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 Ser Pro Phe Thr Val Thr Asp His Thr Pro Met Glu Ile Val Val Asp  
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 Glu Arg His Arg Arg Ile Asn Ser Lys Lys Lys Glu Ser Ala Trp Glu  
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 Ala Asp Trp Met Thr Asp Leu Lys Glu Gly Ile Cys Leu Ser Ala Leu  
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 Trp Tyr Asn His Glu Gln Cys Cys Trp Gly Ser Asn Glu Thr Thr Phe  
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 Glu Glu Arg Asp Lys Cys Pro Gln Trp Lys Thr Trp Ala Glu Leu Ile  
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 Ile Gly Gln Ala Glu Gly Pro Gly Ser Tyr Ile Met Asn Tyr Ile Met  
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 Tyr Ile Phe Trp Ala Leu Ser Phe Ala Phe Leu Ala Val Ser Leu Val

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 580 585 590  
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Thr Val Asp Asp Ile Glu Asn Met Ile Asn Glu Thr Ser Tyr Asn Gly  
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&lt;210&gt; 6

&lt;211&gt; 60

&lt;212&gt; PRT

<213> *Xenopus laevis*

&lt;400&gt; 6

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 35 40 45  
 Asp Glu Pro Ile Pro Gly Val Gly Thr Tyr Asp Asp  
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